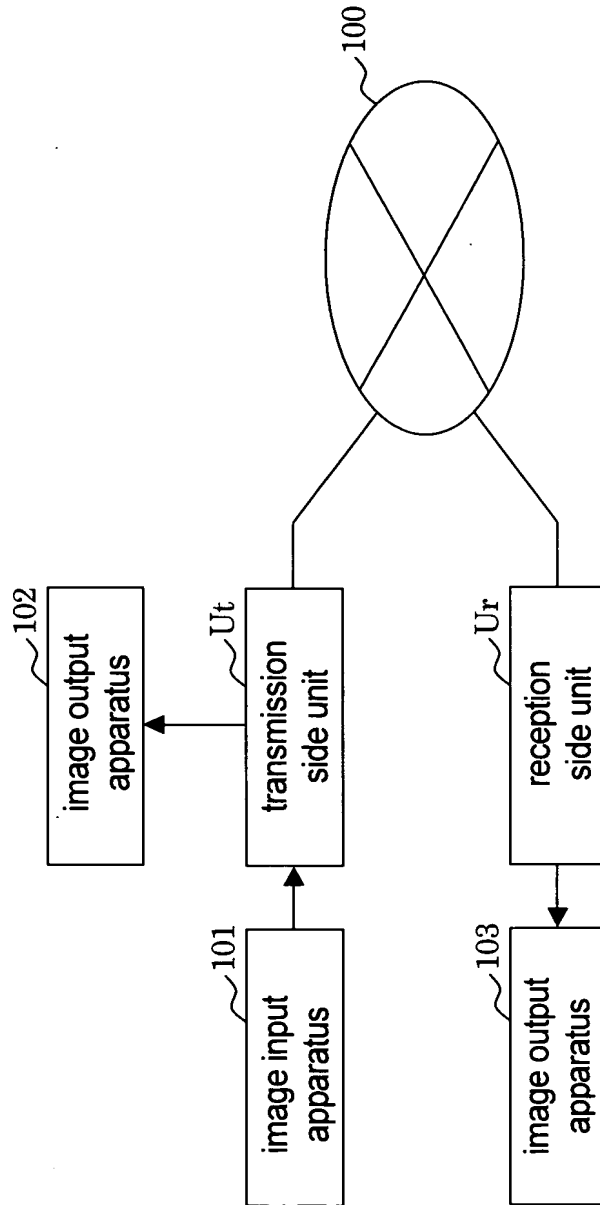
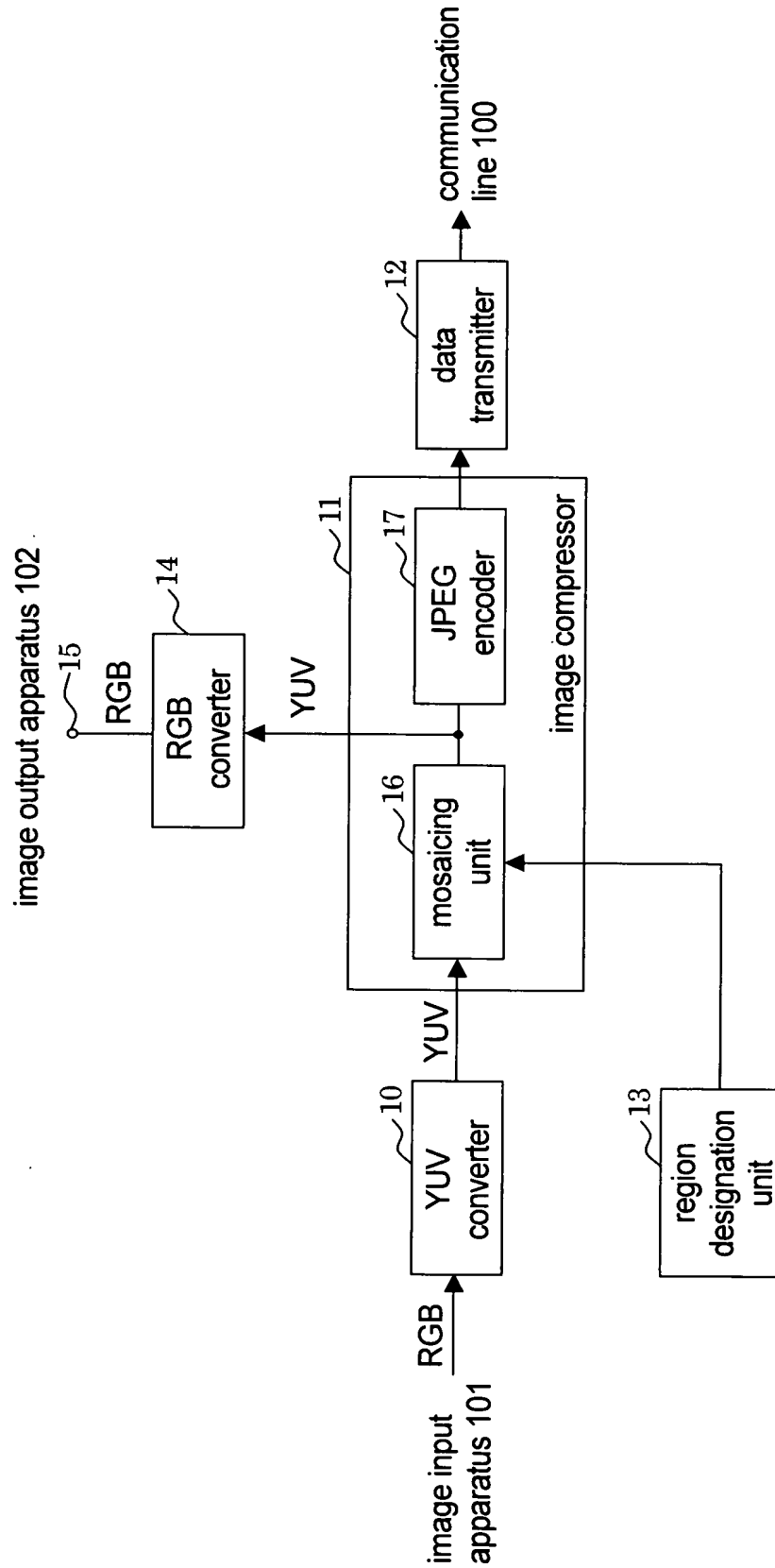


[Fig.1]

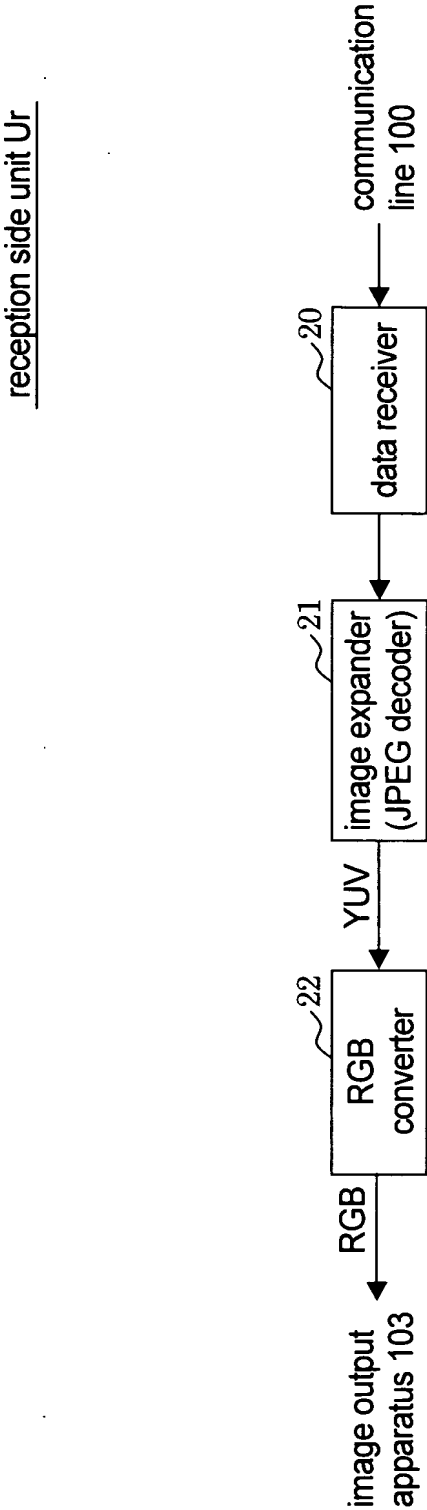


[Fig.2]

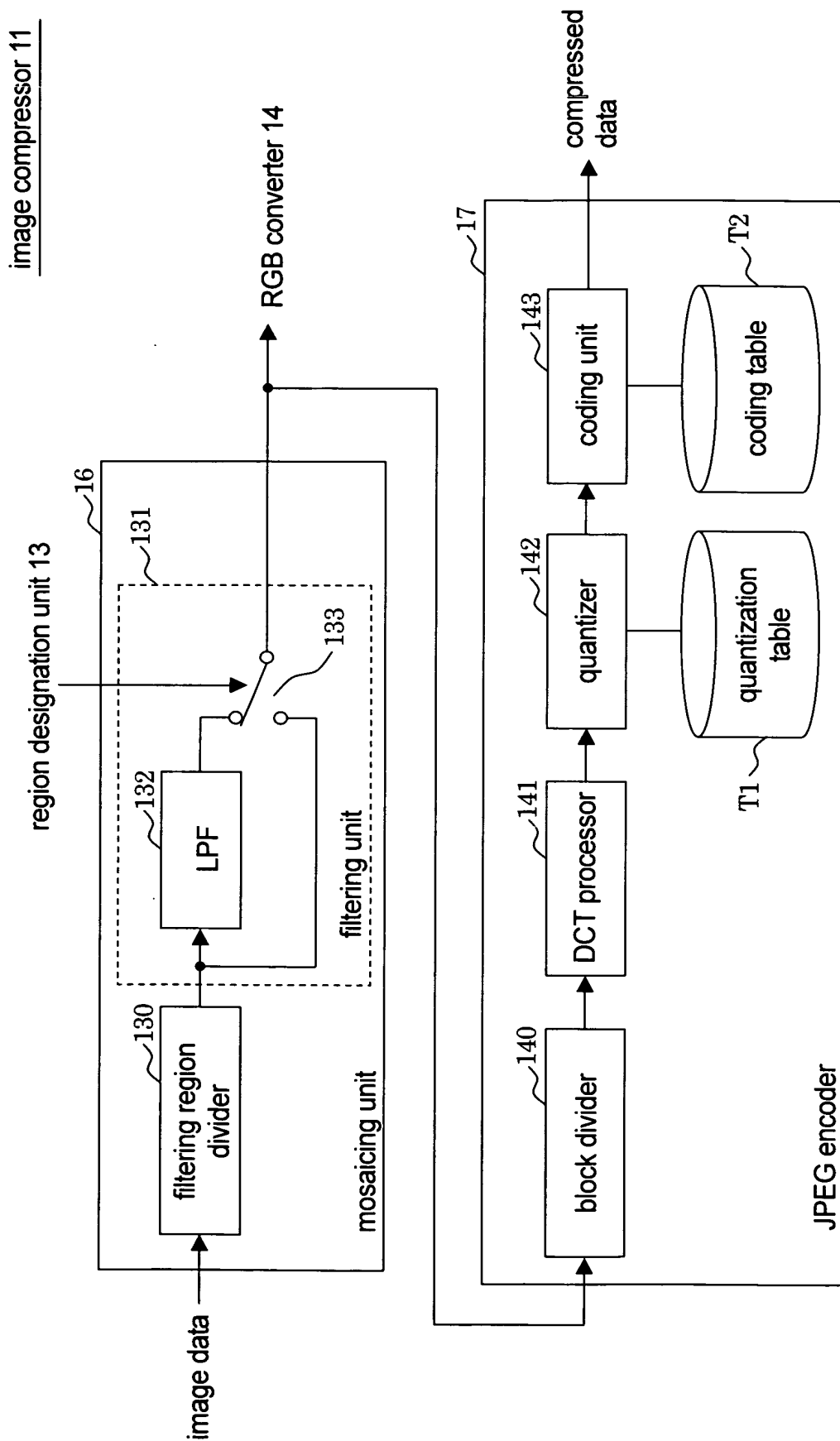
transmission side unit Ut



[Fig.3]

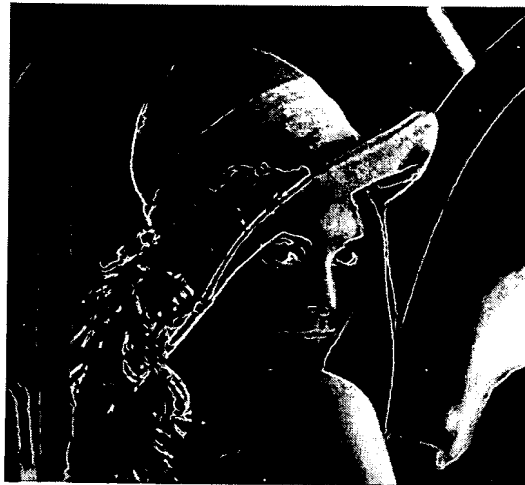


[Fig.4]

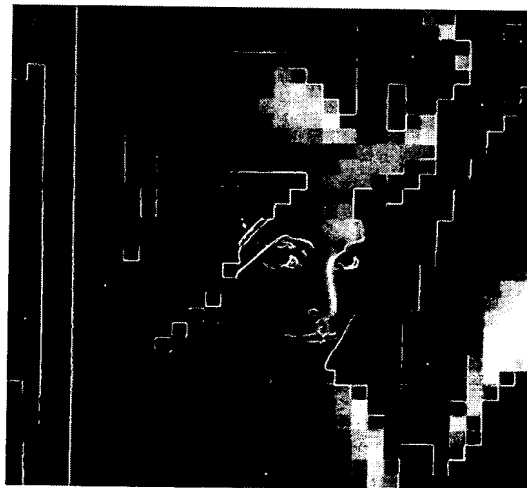


[Fig.5]

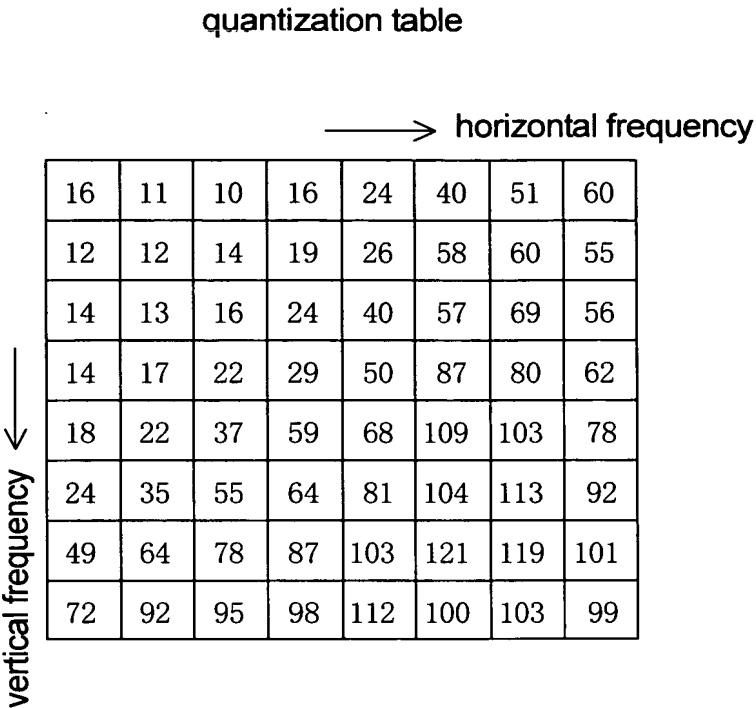
(a) before the mosaicing



(b) after the mosaicing

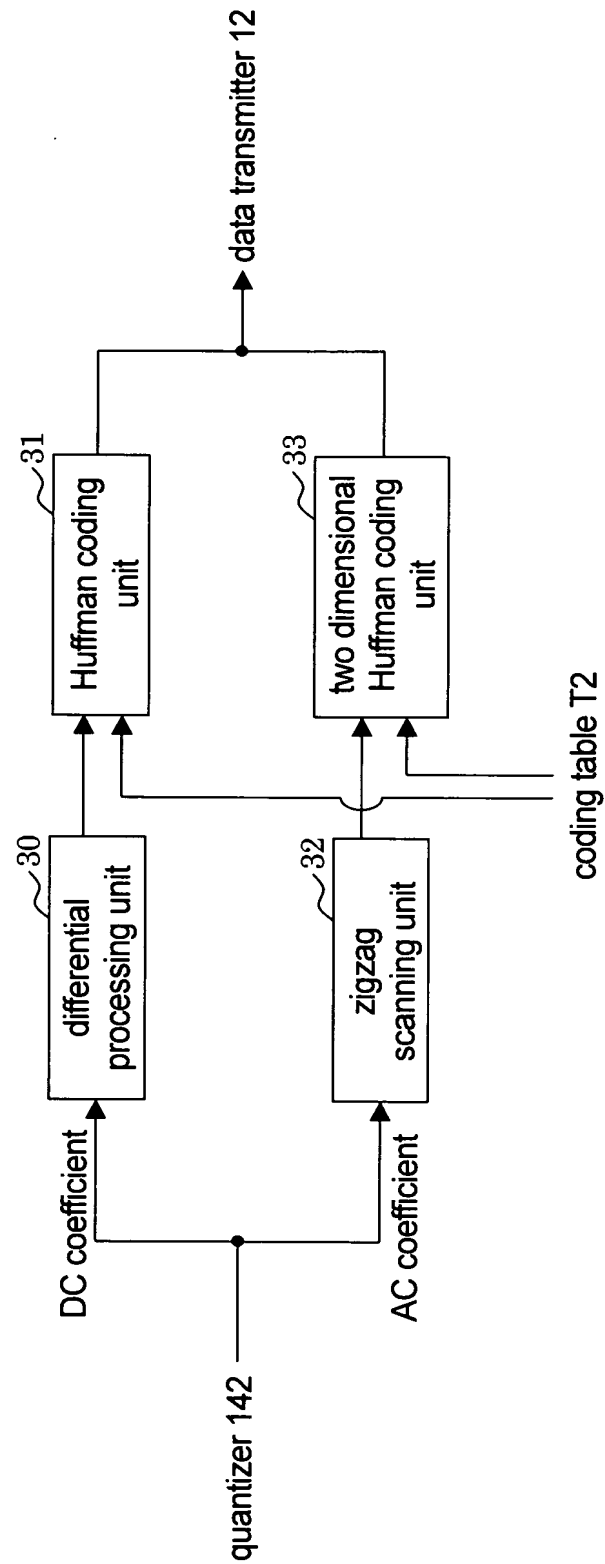


[Fig.6]



[Fig.7]

coding unit 143



[Fig.8]

two dimensional Huffman code table (for AC coefficient)

SSSS RRRR	0	1	2	...	10
0	1010(EOB)	00	01	...	111111110000011
1	none	1100	11011	...	1111111110001000
2		11100	1111001	...	1111111110001110
...	
15	11111111001(ZRL)	111111111110101	1111111111110110	...	1111111111111110

[Fig.9]

(a)

DCT coefficient

13	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

AC coefficient string : 0000000000000000 0000000000000000 0000001

Huffman code : 1111111001 1111111001 11111100 010 1010
 ZRL ZRL zero run length additional bit EOB

(b)

DCT coefficient

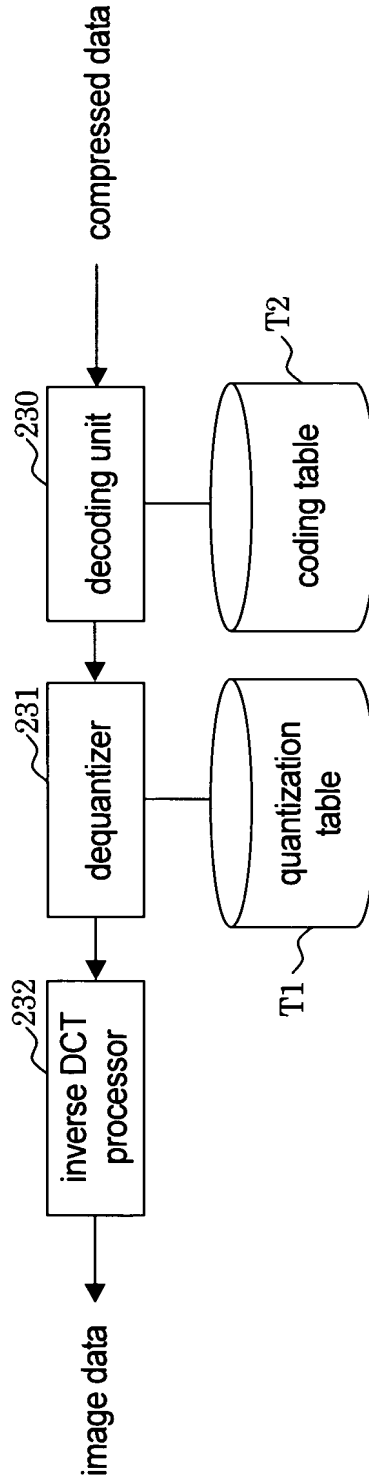
13	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

AC coefficient string : 1 0000...

Huffman code : 00 010 1010
 zero run length additional bit EOB

[Fig.10]

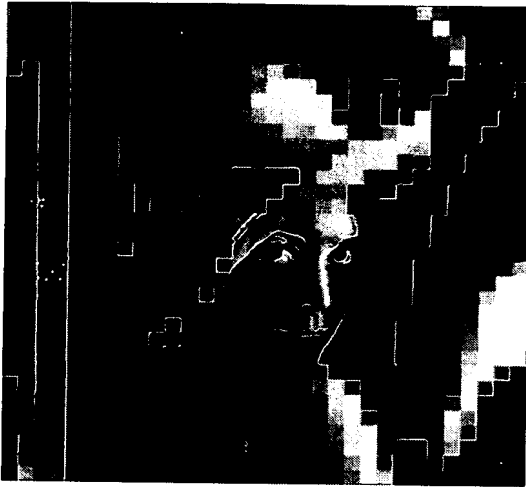
image expander 21
(JPEG decoder)



[Fig.11]

(a) first embodiment
mosaicing unimportant regions
(8 X 8 pixels)

data amount : 3.47KB



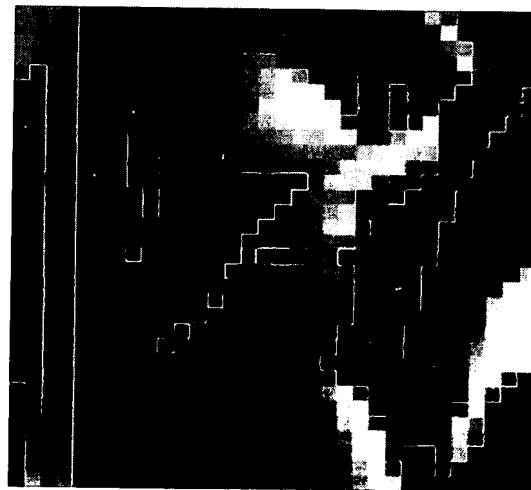
(b) comparison example 1
mosaicing the entire image
(4 X 4 pixels)

data amount : 9.00KB



(c) comparison example 2
mosaicing the entire image
(8 X 8 pixels)

data amount : 2.54KB

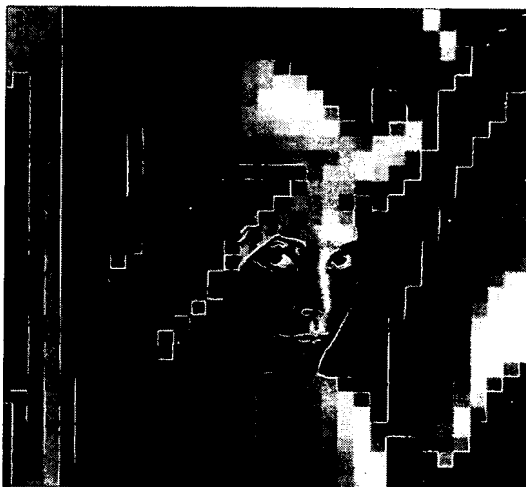


[Fig.12]



(a) first embodiment
mosaicing unimportant regions
(8 X 8 pixels)

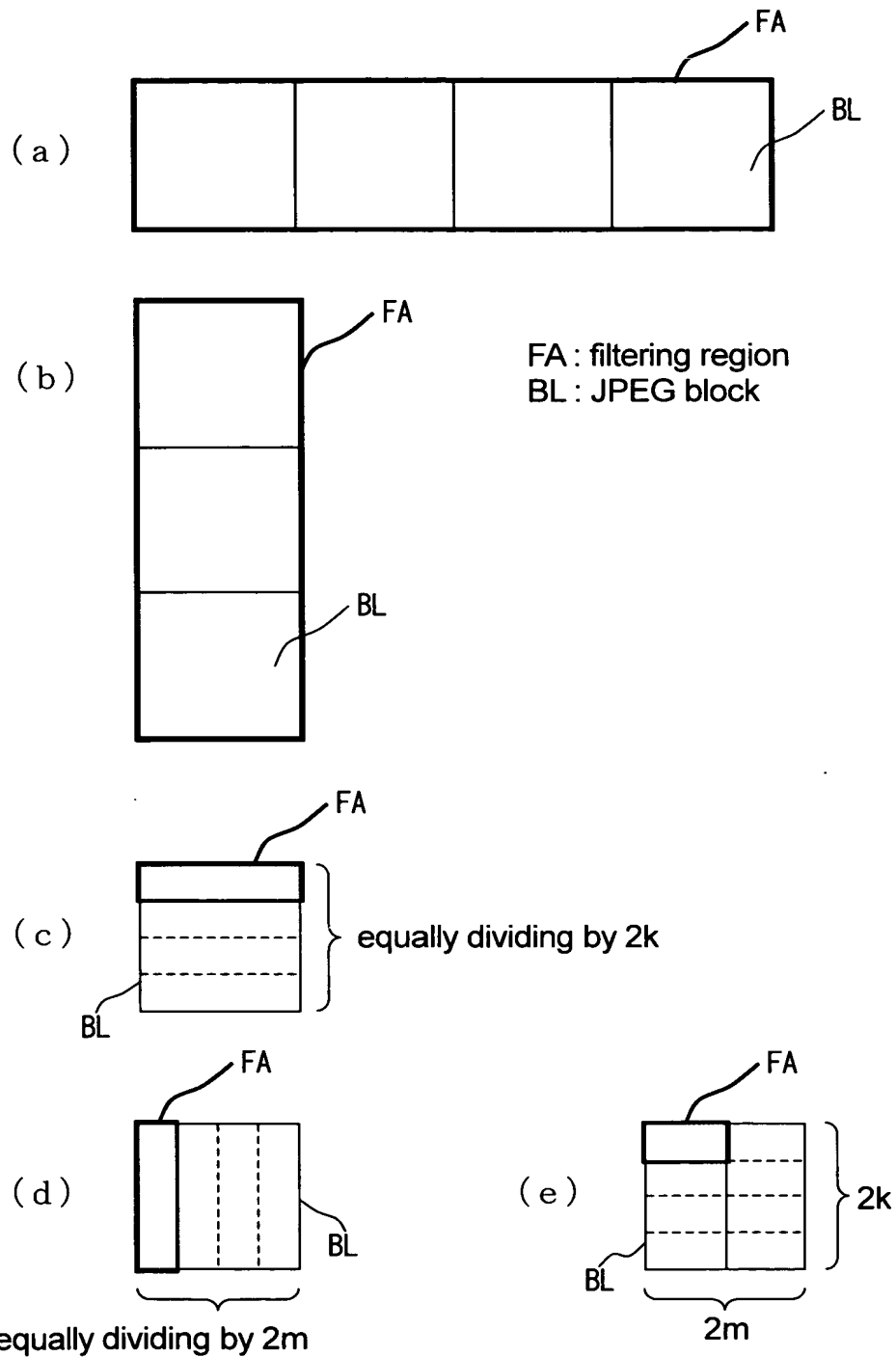
data amount : 3.47KB



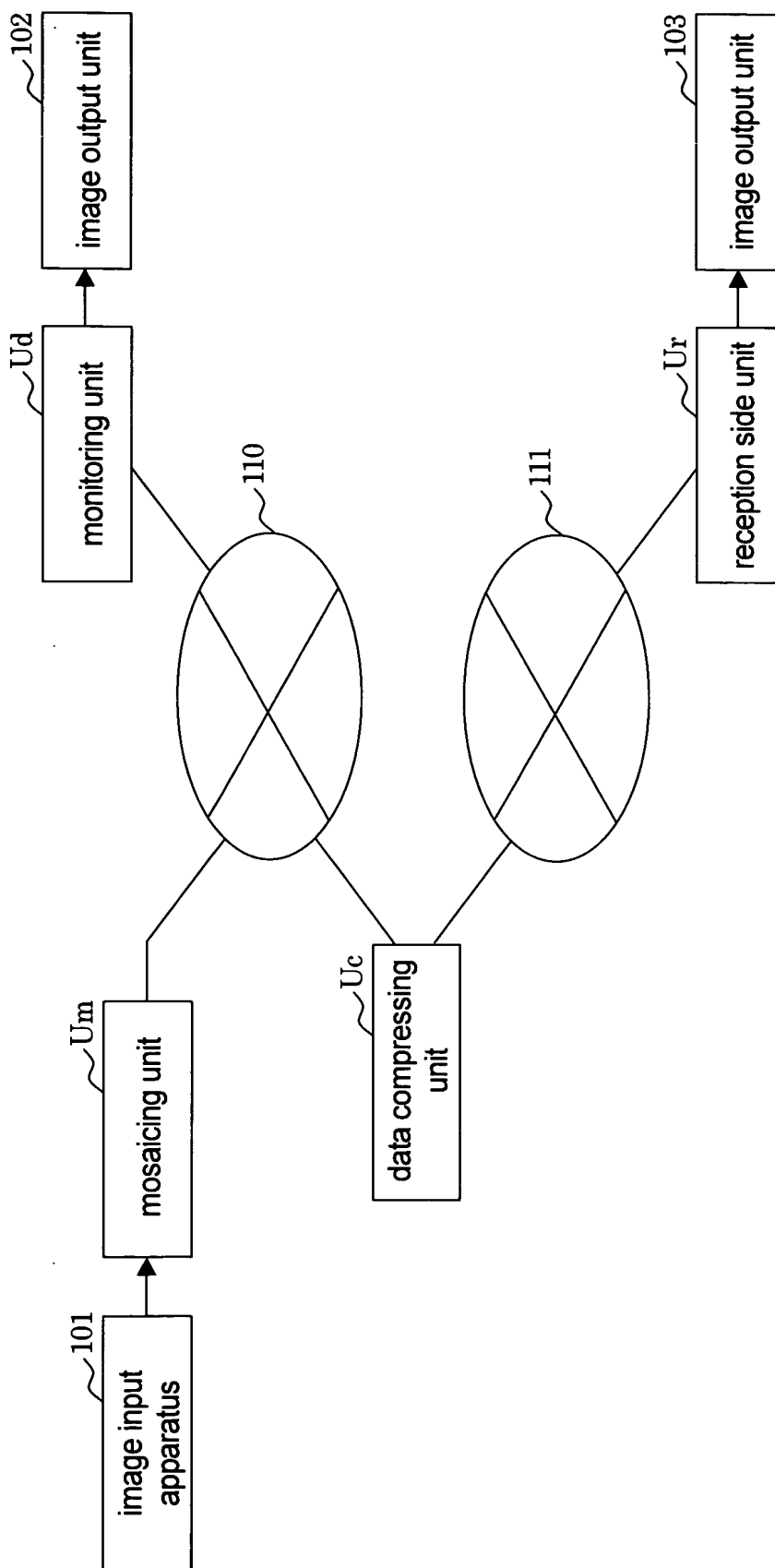
(b) comparison example
in the case having been shifted by
4 pixels between the filtering
region and the JPEG block

data amount : 11.0KB

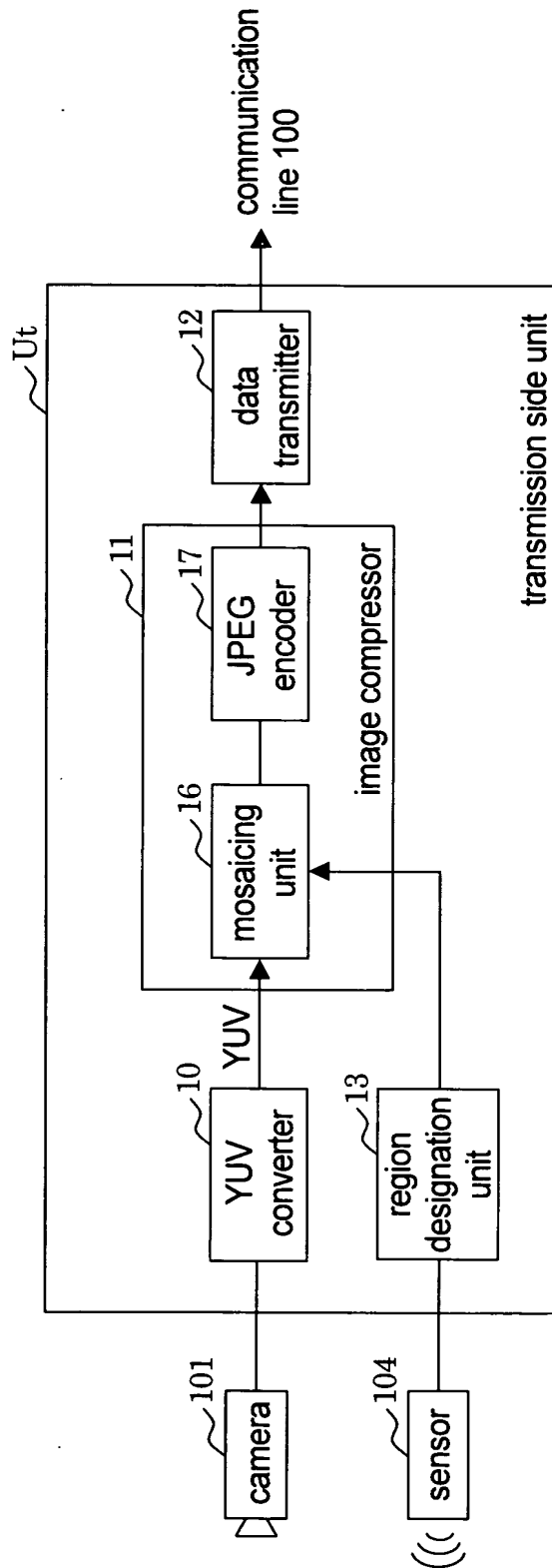
[Fig.13]



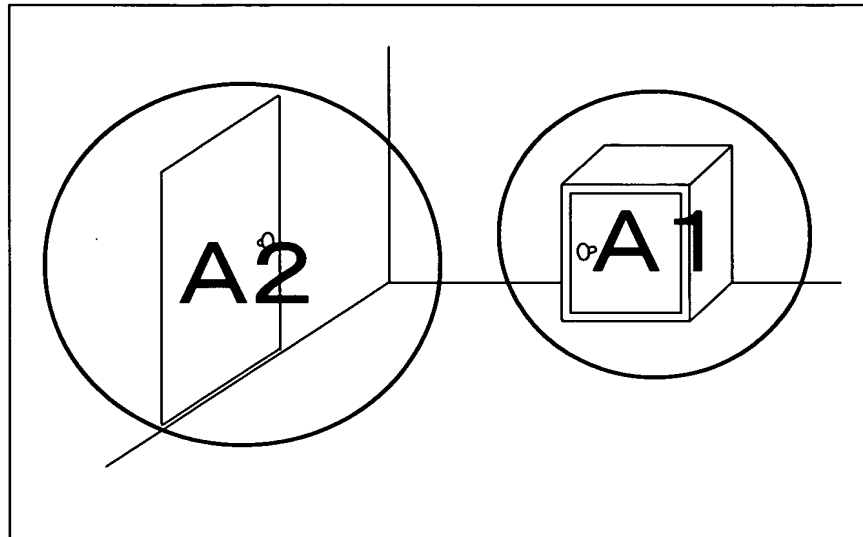
[Fig.14]



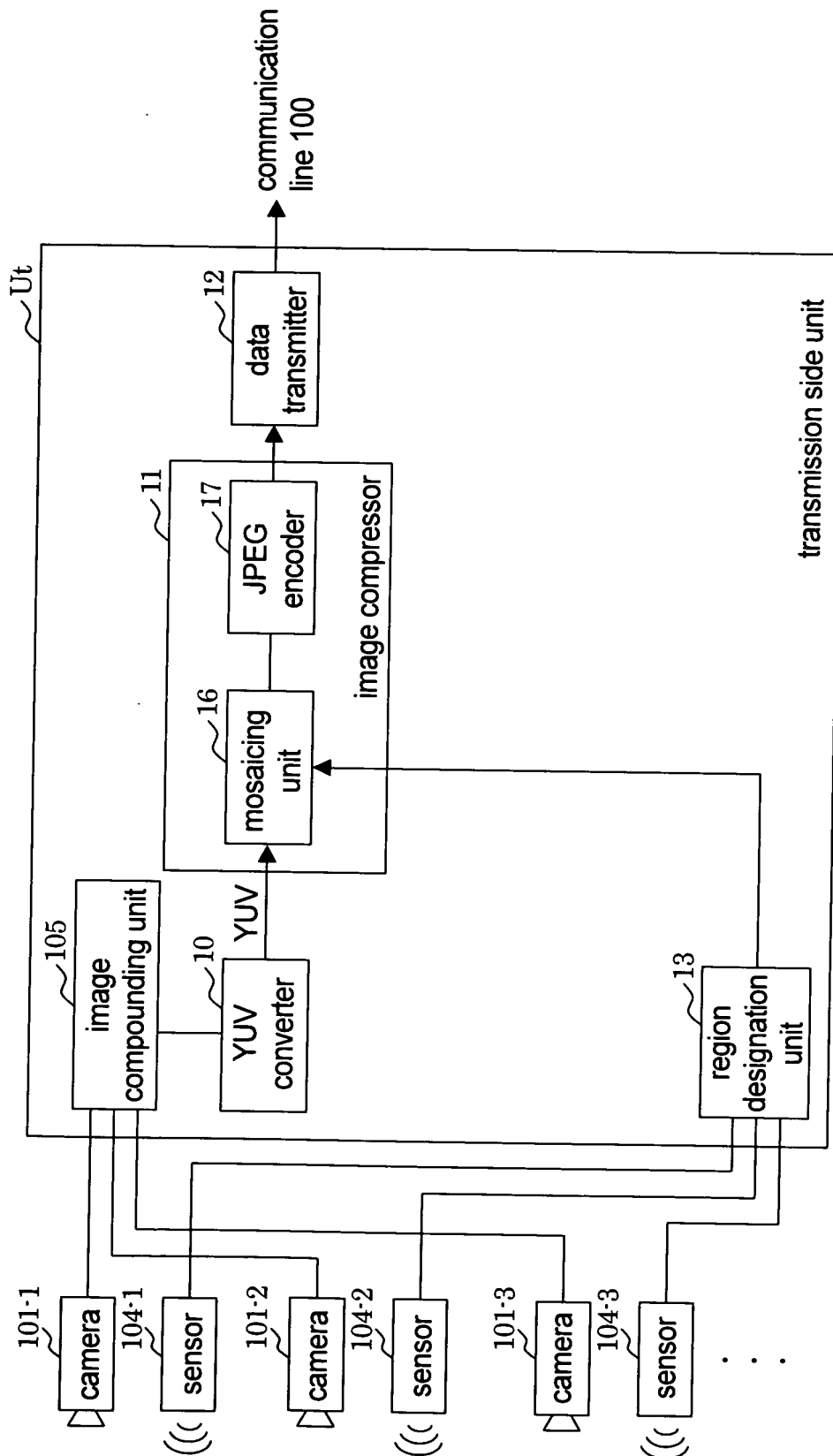
[Fig. 15]



[Fig.16]



[Fig. 17]



[Fig.18]

